

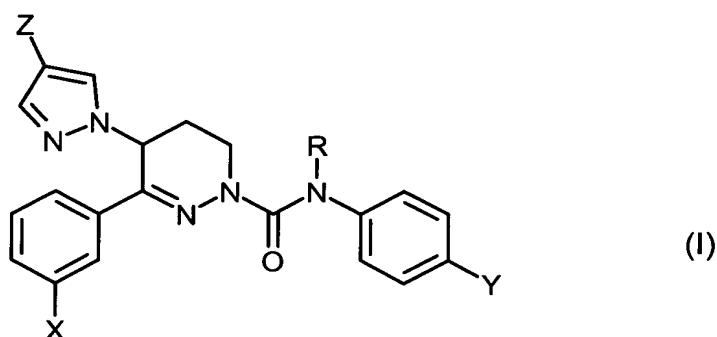
AMENDMENTS TO THE CLAIMS:

Please change the heading at page 51, line 1, from "**Patent Claims**" to
--WHAT IS CLAIMED IS:--

The following listing of claims will replace all prior versions of claims in the application.

Claims 1-11 (canceled)

-- Claim 12 (new): A tetrahydropyridazine derivative of formula (I)



wherein

- R represents optionally substituted alkyl, alkoxy carbonyl, alkenyl, alkynyl, cycloalkyl, or cycloalkylalkyl,
- X represents cyano, halogen, halogenoalkyl, halogenoalkoxy, alkylthio, alkylsulfinyl, alkylsulfonyl, halogenoalkylthio, halogenoalkylsulfinyl, or halogenoalkylsulfonyl,
- Y represents cyano, halogen, halogenoalkyl, halogenoalkoxy, halogenoalkylthio, halogenoalkylsulfinyl, or halogenoalkylsulfonyl, and
- Z represents hydrogen, hydroxy, nitro, cyano, carbamoyl, halogen, alkyl, alkoxy, alkylthio, halogenoalkyl, halogenoalkoxy, halogenoalkylthio, alkoxy carbonyl, alkylaminocarbonyl, or dialkylaminocarbonyl.

Claim 13 (new): A tetrahydropyridazine derivative of formula (I) according to Claim 12 wherein

- R represents optionally cyano-, carboxy-, carbamoyl-, halogen-, C₁-C₄ alkoxy-, C₁-C₄ alkylcarbonyl-, or C₁-C₄ alkoxy carbonyl-substituted alkyl having 1 to 6

carbon atoms; alkoxycarbonyl having up to 6 carbon atoms; optionally cyano-, or halogen-substituted alkenyl or alkynyl, each having 2 to 6 carbon atoms; or optionally cyano-, halogen-, or C₁-C₄ alkyl-substituted cycloalkyl or cycloalkylalkyl, each having 3 to 6 carbon atoms in the cycloalkyl group and, optionally, 1 to 4 carbon atoms in the alkyl moiety,

- X represents cyano, halogen, C₁-C₄ halogenoalkyl, C₁-C₄ halogenoalkoxy, C₁-C₄ alkylthio, C₁-C₄ alkylsulfinyl, C₁-C₄ alkylsulfonyl; C₁-C₄ halogenoalkylthio, C₁-C₄ halogenoalkylsulfinyl, or C₁-C₄ halogenoalkylsulfonyl, whereby each halogenoalkyl group contains 1 to 5 same or different halogen substituents selected from the group consisting of fluorine, chlorine, and bromine,
- Y represents cyano, halogen, C₁-C₄ halogenoalkyl, C₁-C₄ halogenoalkoxy, C₁-C₄ halogenoalkylthio, C₁-C₄ halogenoalkylsulfinyl, or C₁-C₄ halogenoalkylsulfonyl, wherein each halogenoalkyl group contains 1 to 5 same or different halogen substituents selected from the group consisting of fluorine, chlorine, and bromine, and
- Z represents hydrogen, hydroxy, nitro, cyano, carbamoyl, halogen, C₁-C₄ alkyl, C₁-C₄ alkoxy, C₁-C₄ alkylthio; C₁-C₄ halogenoalkyl, C₁-C₄ halogenoalkoxy, or C₁-C₄ halogenoalkylthio, wherein each halogenoalkyl group contains 1 to 5 same or different halogen substituents selected from the group consisting of fluorine, chlorine, and bromine; or C₁-C₄ alkoxycarbonyl, C₁-C₄ alkyl-amino-carbonyl, or C₁-C₄ dialkyl-aminocarbonyl.

Claim 14 (new): A tetrahydropyridazine derivative of formula (I) according to Claim 12 wherein

- R represents optionally cyano-, carboxy-, carbamoyl-, fluorine-, chlorine-, methoxy-, ethoxy-, n- or i-propoxy-, acetyl-, propionyl-, n- or i-butyryl-, methoxycarbonyl-, ethoxycarbonyl-, or n- or i-propoxycarbonyl substituted methyl, ethyl, n- or i-propyl, or n-, i-, or s-butyl; optionally cyano-, fluorine-, and/or chlorine- substituted ethenyl, propenyl, butenyl, ethynyl, propynyl, or butynyl; or optionally cyano-, fluorine-, chlorine-, methyl-, or ethyl-substituted cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, or cyclohexylmethyl,

- X represents cyano, fluorine, chlorine, bromine, difluoromethyl, trifluoromethyl, dichloromethyl, trichloromethyl, chlorodifluoromethyl, fluorodichloromethyl, difluoromethoxy, trifluoromethoxy, chlorodifluoromethoxy, methylthio, methylsulfinyl, methylsulfonyl, trifluoromethylthio, trifluoromethylsulfinyl, or trifluoromethylsulfonyl,
- Y represents cyano, fluorine, chlorine, bromine, difluoromethyl, trifluoromethyl, dichloromethyl, trichloromethyl, chlorodifluoromethyl, fluorodichloromethyl, difluoromethoxy, trifluoromethoxy, chlorodifluoromethoxy, trifluoromethylthio, trifluoromethylsulfinyl, or trifluoromethylsulfonyl, and
- Z represents hydrogen, cyano, carbamoyl, chlorine, bromine, methyl, methoxy, methylthio, trifluoromethyl, trifluoromethoxy, trifluoromethylthio, methoxycarbonyl, ethoxycarbonyl, methylaminocarbonyl, ethylaminocarbonyl, or dimethylaminocarbonyl.

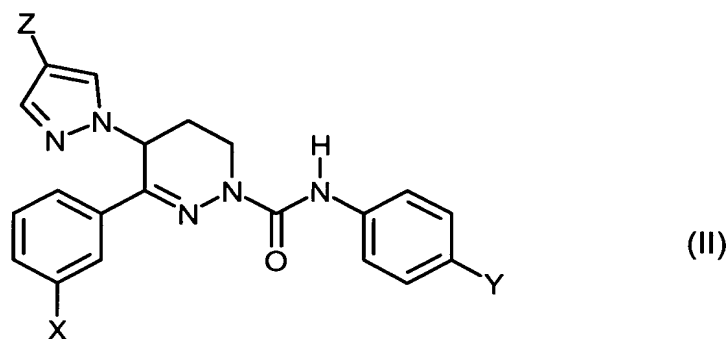
Claim 15 (new): A tetrahydropyridazine derivative of formula (I) according to Claim 12 wherein

- R represents optionally cyano-, fluorine-, chlorine-, methoxy-, ethoxy-, acetyl-, propionyl-, methoxycarbonyl-, ethoxycarbonyl-, or n- or i-propoxycarbonyl-substituted methyl, ethyl, or n- or i-propyl; optionally cyano-, fluorine-, and/or chlorine-substituted propenyl, butenyl, ethynyl, propynyl, or butynyl; or optionally fluorine-, chlorine-, or methyl-substituted cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, cyclopropylmethyl, cyclobutylmethyl, cyclopentylmethyl, or cyclohexylmethyl,
- X represents cyano, fluorine, chlorine, bromine, trifluoromethyl, difluoromethoxy, trifluoromethoxy, chlorodifluoromethoxy, methylthio, methylsulfinyl, methylsulfonyl, trifluoromethylthio, trifluoromethylsulfinyl, or trifluoromethylsulfonyl,
- Y represents cyano, fluorine, chlorine, bromine, trifluoromethyl, difluoromethoxy, trifluoromethoxy, chlorodifluoromethoxy, trifluoromethylthio, trifluoromethylsulfinyl, or trifluoromethylsulfonyl, and
- Z represents hydrogen, cyano, carbamoyl, chlorine, bromine, methyl, methoxy, methylthio, trifluoromethyl, trifluoromethoxy or trifluoromethylthio.

Claim 16 (new): A tetrahydropyridazine derivative of formula (I) according to Claim 12 wherein R represents cyanomethyl and X represents trifluoromethyl.

Claim 17 (new): A process for preparing tetrahydropyridazine derivatives of formula (I) according to Claim 12 comprising converting

(a) a tetrahydropyridazine of formula (II)



wherein X, Y, and Z have the meanings given for formula (I) in Claim 12,

with a compound of formula (III)



wherein

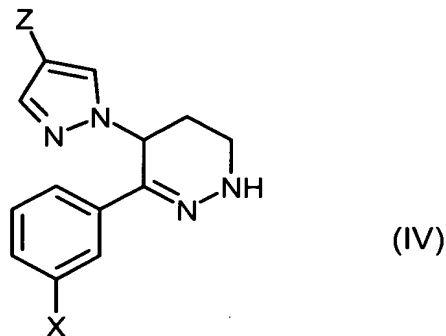
X^1 represents halogen or the grouping $R-O-SO_2-O-$, and

R has the meanings given for formula (I) in Claim 11,

optionally in the presence of one or multiple reaction adjuvants and optionally in the presence of one or multiple diluents,

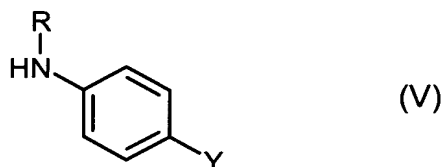
or

(b) a tetrahydropyridazine of formula (IV)



wherein X and Z have the meanings given for formula (I) in Claim 12,

with an N-substituted arylamine of formula (V)



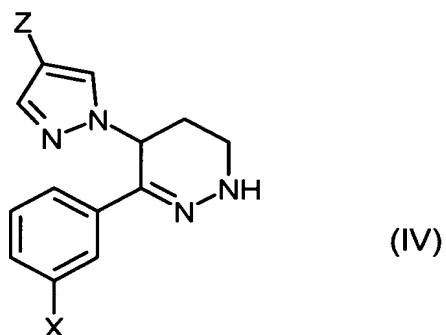
wherein R and Y have the meanings given for formula (I) in Claim 12,
in the presence of a reactive carbon dioxide derivative of formula (VI)



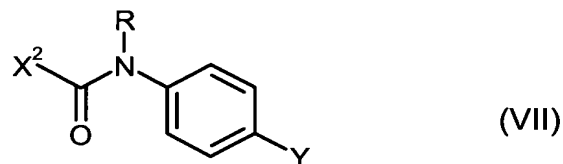
wherein X^2 and X^3 are the same or different and represent halogen,
alkoxy, halogenoalkoxy, phenoxy, or benzyloxy,
optionally in the presence of one or multiple reaction adjuvants and optionally
in the presence of one or multiple diluents,

or

(c) a tetrahydropyridazine of formula (IV)



wherein X and Z have the meanings given for formula (I) in Claim 12,
with a carbamic acid derivative of formula (VII)



wherein

R and Y have the meanings given for formula (I) in Claim 12, and

X^2 represents halogen,

optionally in the presence of one or multiple reaction adjuvants and optionally
in the presence of one or multiple diluents.

Claim 18 (new): A pesticide comprising one or more compounds of formula (I) according to Claim 12 and one or more extenders and/or surfactants.

Claim 19 (new): A process for controlling animal pests comprising allowing one or more compounds of formula (I) according to Claim 12 to act on pests and/or their habitat.

Claim 20 (new): A process for preparing pesticides comprising mixing one or more compounds of formula (I) according to Claim 12 with one or more extenders and/or surfactants. --